

map()

VS



flatMap()





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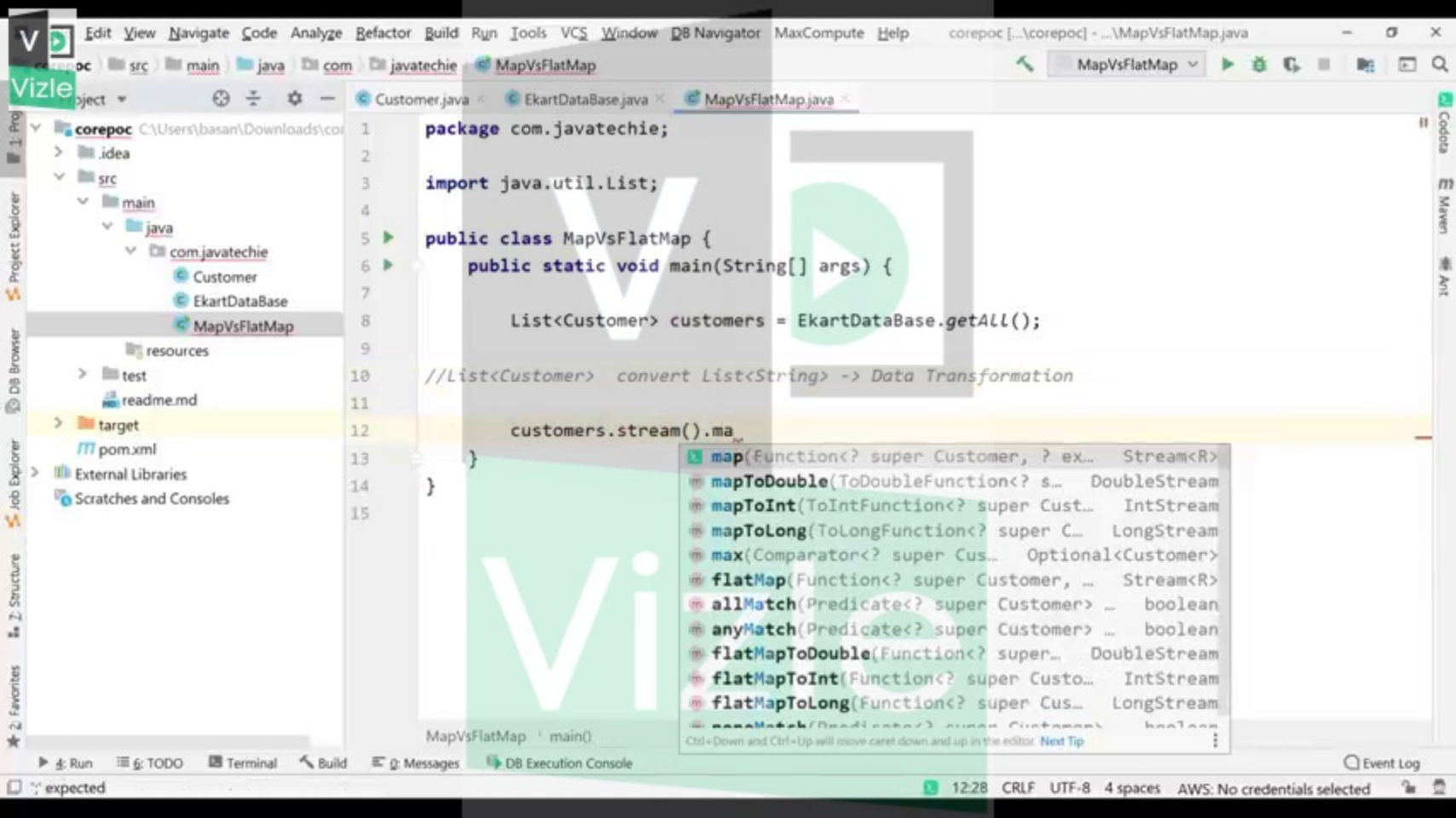
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Data Transformation and Flattering

```
Stream.of("a", "b", "c", "d");
```

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```
1 package com.javatechie;
2
3 import java.util.List;
4
5 public class MapVsFlatMap {
6     public static void main(String[] args) {
7
8         List<Customer> customers = EkartDataBase.getAll();
9
10        //List<Customer> convert List<String> -> Data Transformation
11
12        customers.stream().ma
13    }
14 }
15
```

- map(Function<? super Customer, ? ex... Stream<R>
- mapToDouble(ToDoubleFunction<? s... DoubleStream
- mapToInt(ToIntFunction<? super Cust... IntStream
- mapToLong(ToLongFunction<? super C... LongStream
- max(Comparator<? super Cus... Optional<Customer>
- flatMap(Function<? super Customer, ... Stream<R>
- allMatch(Predicate<? super Customer> ... boolean
- anyMatch(Predicate<? super Customer> ... boolean
- flatMapToDouble(Function<? super... DoubleStream
- flatMapToInt(Function<? super Cust... IntStream
- flatMapToLong(Function<? super Cus... LongStream
- flatMapToLong(Predicate<? super Customer... boolean

Ctrl+Down and Ctrl+Up will move caret down and up in the editor. Next Tip

MapVsFlatMap main()

The screenshot displays an IDE window with the following content:

```
MapVsFlatMap.java
//customer -> customer.getEmail() one to one mapping
List<String> emails = customers.stream().map(customer -> customer.getEmail()).collect(Collectors.toList());
System.out.println(emails);

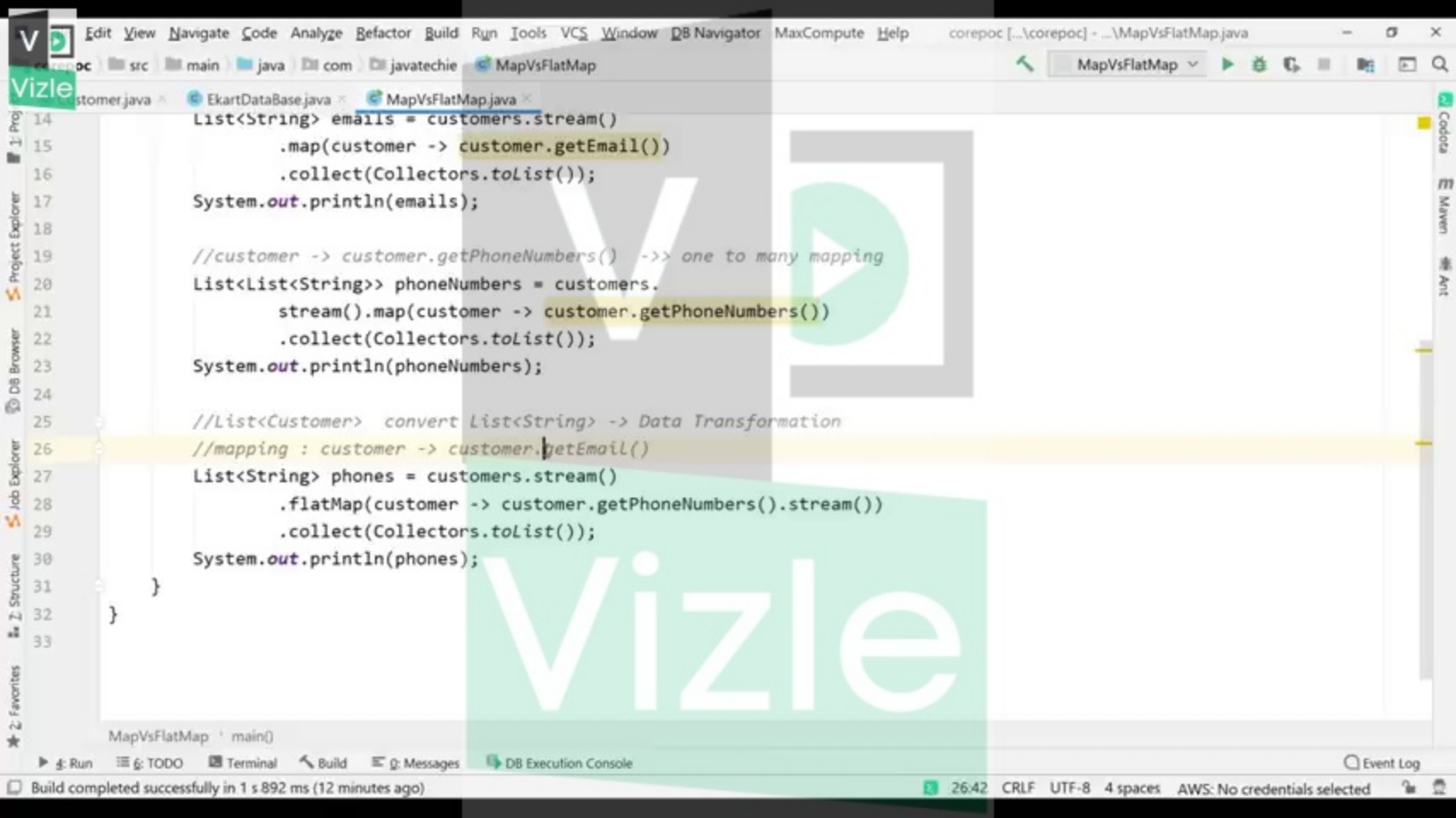
List<List<String>> phoneNumbers = customers.stream().map(customer -> customer.getPhoneNumbers()).collect(Collectors.toList());
System.out.println(phoneNumbers);
}
```

Run: MapVsFlatMap

```
"C:\Program Files\Java\jdk1.8.0_181\bin\java.exe" ...
[john@gmail.com, smith@gmail.com, peter@gmail.com, kely@gmail.com]
[[397937955, 21654725], [89563865, 2487238947], [38946328654, 3286487236], [389246829364, 948609467]]

Process finished with exit code 0
```

Build completed successfully in 1 s 892 ms (moments ago) | 101 chars | 3:1 | CRLF UTF-8 4 spaces | AWS: No credentials selected



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